

From the INTERNATIONAL SEARCHING AUTHORITY									
To: ALFRED W. ZAHER WOODCOCK WASHBURN LLP		PCT							
ONE LIBERTY PLACE- 46TH FLOOR PHILADELPHIA, PA 19103	RECE	VENTERNATIO	ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY						
	NOV 6	3 2005	(PCT Rule 43bis.1)						
	- Woodcock	Date of mailing	31 OCT 2005						
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below							
SDG-0003 International application No.	International filing date (
PCT/US04/41264	08 December 2004 (08.12.2004)		09 December 2003 (09.12.2003)						
International Patent Classification (IPC) of	or both national classificati	on and IPC	(2.12.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.						
IPC(7): B01D 15/00 and US C1.: 210/660, 663, 748									
Applicant			RECEIVED						
SEPARATION DESIGN GROUP, LLC			NOV 0 3 2005						
1. This opinion contains indications rela	ating to the following items	s:	DOCKET DEPT.						
Box No. I Basis of the	opinion .		WWKMN						
Box No. II Priority	·								
Box No. III Non-establis	shment of opinion with reg	gard to novelty, inver	ntive step and industrial applicability						
Box No. IV Lack of unit	Lack of unity of invention								
Box No. V Reasoned st applicability									
Box No. VI Certain doct	Certain documents cited								
Box No. VII Certain defe	VII Certain defects in the international application								
Box No. VIII Certain observations on the international application									
2. FURTHER ACTION									
International Preliminary Examining	g Authority ("IPEA") ex the IPEA and the chosen I	cept that this does PEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an a International Bureau under Rule 66.1bis(b) ered.						
If this opinion is, as provided above IPEA a written reply together, where of Form PCT/ISA/220 or before the contractions of the second	e appropriate, with amenda	nents, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.						
For further options, see Form PCT/ISA/220.									
3. For further details, see notes to Form PCT/ISA/220.									
Name and mailing address of the ISA/ US	S Date of complete	tion of this opinion	Authorized officer						
		005 (29.09.2005)	Chester T. Barry						
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703 363 65 per									
Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (April 20	05)								

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/41264

Box No. I Basis of this opinion									
1. With	regard to the language, this opinion has been established on the basis of:								
\boxtimes	the international application in the language in which it was filed								
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).								
2. With inver	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:								
a.	type of material								
	a sequence listing								
	table(s) related to the sequence listing								
b.	format of material								
	on paper								
	in electronic form								
c.	time of filing/furnishing								
0.	contained in the international application as filed.								
	filed together with the international application in electronic form.								
	furnished subsequently to this Authority for the purposes of search.								
3. 🔲	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.								
4 Addi	tional comments:								
4. Addi	NOME CONTROLLE								
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No. PCT/US04/41264

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Claims 1-409 Novelty (N) NO Claims NONE YES Claims 1-409 Inventive step (IS) Claims NONE YES Claims 1-409 Industrial applicability (IA) NO Claims NONE 2. Citations and explanations: US 5,085,780 to OSTREICHER describes the use of cationic charge modified filter media to trap contaminants on a filter. Claims 1 - 164 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest sorbing contaminants from a fluid mixture including the step of electrokinetically biasing fluid contaminants in a direction other than the vector of the fluid mixture. Claims 165 - 409 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a sorption apparatus comprising an electrokinetic biaser. Claims 1 - 409 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/41264

Box No.	VIII	Certain	observations on	the in	nternational	application
DOX INU.	VIII	CELLAIN	UDSCI VALIUIIS UII	*****	ILCI HALIOHAI	appireation

The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 179 - 337 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 179, 180, 184, 186, 191, 195-197, 201, 205, 214, 222, 225, 231, 233, 237, 239-246, 249-250, 269, 275, 280-283, 285-287, 289, 293, 297, 298, 303-306, 309, 314-321, 323-328, 337 are indefinite for the following reason(s): Each such claim states that it is directed to a sorption device, but refers back to and appears to include all the limitations of claim 163 which is directed to a method, not a device.